

## SEQUENCE LISTING

TL- $\gamma$  amino acid sequence (SEQ ID NO:1)

5 M S G G G N I K V V V R V R P F N A R E I  
 D R G A K C I V R M E G N Q T I L T P P P  
 G A E E K A R K S G K T I M D G P K A F A  
 F D R S Y W S F D K N A P N Y A R Q E D L  
 F Q D L G V P L L D N A F K G Y N N C I F  
 10 A Y G Q T G S G K S Y S M M G Y G K E H G  
 V I P R I C Q D M F R R I N E L Q K D K N  
 L T C T V E V S Y L E I Y N E R V R D L L  
 N P S T K G N L K V R E H P S T G P Y V E  
 D L A K L V V R S F Q E I E N L M D E G N  
 15 K A R T V A A T N M N E T S S R S H A V F  
 T L T L T Q K W H D E E T K M D T E K V A  
 K I S L V D L A G S E R A T S T G A T G A  
 R L K E G A E I N R S L S T L G R V I A A  
 L A D M S S G K Q K K N Q L V P Y R D S V  
 20 L T W L L K D S L G G N S M T A M I A A I  
 S P A D I N F E E T L S T L R Y A D S A K  
 R I K N H A V V N E D P N A R M I R E L K  
 E E L A Q L R S K L Q S S G G G G G A G  
 G S G G P V E E S Y P P D T P L E K Q I V  
 25 S I Q Q P D A T V K K M S K A E I V E Q L  
 N Q S E K L Y R D L N Q T W E E K L A K T  
 E E I H K E R E A A L E E L G I S I E K G  
 F V G P Y H S K E M P H L V N L S D D P L  
 L A E C L V Y N I K P G Q T R V G N V N Q  
 30 D T Q A E I R L N G S K I L K E H C T F E  
 N V D N V V T I V P N E K A A V M V N G V  
 R I D K P T R L R S G Y R I I L G D F H I  
 F R F N H P E E A R A E R Q E Q S L L R H  
 S V T N S Q L G S P A P G R H D R T L S K  
 35 A G S D A D G D S R S D S P L P H F R G K  
 D S D W F Y A R R E A A S A I L G L D Q K  
 I S H L T D D E L D A L F D D D V Q K A R A

DRAFT Sequence Listing

V	R	R	G	L	V	E	D	N	E	D	S	D	S	Q	S	S	F	P	V	R
D	K	Y	M	S	N	G	T	I	D	N	F	S	L	D	T	A	I	T	M	P
G	T	P	R	S	D	D	D	G	D	A	L	F	F	G	D	K	K	S	K	Q
D	A	S	N	V	D	V	E	E	L	R	Q	Q	Q	A	Q	M	E	E	A	L
5	K	T	A	K	Q	E	F													

TL- $\gamma$  nucleotide sequence (SEQ\_ID NO:2)

ATGTCGGCGGTGGAAATATCAAGGTGGTGGTGCAGGCCGTTCAA  
 10 CGCCCGAGAAATCGACCGTGGCGAAAATGTATTGTGCGGATGGAAGGAA  
 ATCAAACCCTCCTCACCCCTCCTCCGGGTGCCGAAGAGAAGGCGCGTAAA  
 AGTGGCAAAACTATTATGGATGGCCCAGGGCATTGCGTTGATCGGTC  
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 TATTCCAAGATCTGGAGTCCCCTCTGGATAATGCATTCAAGGGTTAT  
 15 AACAAATTGTATCTCGCCTACGGTCAGACCGGTTGGCAAGTCCTATT  
 AATGATGGGCTATGGCAAGGAGCATGGCGTATCCCGGGATTGCCAGG  
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 ACCGTCGAAGTTCTGTACTTGGAAATTACAATGAACGAGTGCAGACTT  
 GCTGAATCCGTCGACAAAGGGGAATCTCAAGGTCCGAGAACACCCGTCGA  
 20 CCGGCCCTACGTGGAGGACTTGGCGAAGCTGGTGTGCGATCATTCAA  
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 CCTTGACGCAAAAGTGGCATGATGAAGAGACCAAAATGGACACAGAGAAG  
 GTTGCAGAAGATCAGTCTGGTAGATTGGCGGGTTCTGAGCGAGCAACGTC  
 25 CACCGGAGCTACTGGAGCGCGACTGAAGGAGGGTGCAGAGATCAACCGCT  
 CACTTCGACCTAGGTGCGTGTGATTGCAGCGCTAGCGGATATGCGTGC  
 GGAAAACAGAAGAAGAACGTTAGTACCTTACCGAGATTGGTACTGAC  
 GTGGCTTCTGAAGGACTCCTGGGAGGCAACTCGATGACCGCCATGATTG  
 CCGCCATTTCGCTGCTGATATTAACCTTGAAGAGACTCTCAGTACCCCTT  
 30 CGATATGCGGACTCTGCGAAGCGAATCAAGAACCAACCGCAGTGGTCAATGA  
 AGACCCGAACCGCGGGATGATCCCGCAGTTGAAGGAGGAACTCGCGCAGC  
 TGAGGAGCAAACCTCCAGAGCAGTGGTGGAGGTGGAGGTGGCAGGAGGT  
 TCTGGCGGGCCAGTGGAGGAATCGTACCCGCCGACACGCCGCTCGAGAA  
 GCAAATCGTGTGATTCAAGCGCCGATGCGACAGTCAAGAAAATGAGCA  
 35 AGGCAGAAATCGTGGAGCAACTGAACCAGAGTGAGAAGCTCTATCGGGAT  
 CTCAATCAGACCTGGGAAGAGAACGCTGGCCAAGACCGAGGAAATCCACAA  
 GGAACGAGAAGCGCGCTCGAGGAGCTGGTATCAGCATCGAAAAGGGCT

DRAFT Sequence

TTGTTGCCCTTACCACTCCAAAGAAATGCCACATCTAGTCACCTGAGC  
GATGATCCTCTTCTGGCTGAGTGTCTTGTCTACAACATCAAGCCCAGCA  
GACAAGGGTTGAAACGTCAACCAAGATAACACAAGCGGAAATTGTCTGA  
ACGGTTCGAAGATCCTGAAAAGAACACTGTACGTTGAAAATGTGGACAAC  
5 GTTGTGACCATCGTGCACAAACGAGAAGGCTGCTGTATGGTGAACGGCGT  
GCGAATCGACAAGCCTACTCGCCTCCGCAGCGGCTACAGGATCATCCTGG  
GCGATTCCACATTTGATTCAACCATCCGGAAAGAAGCTCGTGGAA  
CGGCAAGAACAAATCCTTGCTTCGCCATTCTGTACCCAACAGTCAGTTGGG  
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10 ATGCGGACGGCGATTCTCGCTCAGATTCTCCTTGCCGCACTTGTGGA  
AAGGATAGCGACTGGTTCTATGCTCGCAGGGAAAGCTGCTAGCGCGATCCT  
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GACAACGAAGATAGCGATTGCGAGAGTTCCGGTCCGTGACAAATA  
15 CATGTCCAATGGAACCATTGATAATTCTCGCTCGATACGCCATTACTA  
TGCGGGTACCCCTCGTAGTGTGATGACGACGGTACGCCGTGTTGGT  
GATAAGAACAGGATGCGTCAATGTTGATGTTGAGGAGTTGCG  
TCAACAGCAGGCTCAGATGGAAGAACGCCCTGAAAACAGCGAACAGGAAT  
TC  
20

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